

WHAT IS CLAIMED IS:

1. An image processing apparatus for generating a profile in which information on color conversion between device-dependent color space and device-independent
5 color space is described, comprising:

an inputting section, arranged to input glossiness information indicating glossiness of an image; and

a description section, arranged to describe the input glossiness information in the profile.

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2. The apparatus according to claim 1, wherein the glossiness information includes at least one of average glossiness of the image, information indicating relation between an image signal and the glossiness, and
15 glossiness of a non-image portion.

3. An image processing apparatus connected to plural image forming apparatuses, for storing profiles of the apparatuses, comprising:

20 an acquisition section, arranged to acquire glossiness information indicating glossiness, described in the profiles;

a comparator, arranged to compare the acquired glossiness information with glossiness information
25 designated for an image to be formed;

a selector, arranged to select an image forming apparatus to be used for formation of the image from the

plural image forming apparatuses based on the result of comparison; and

a transmitter, arranged to transmit the image to be formed to the selected image forming apparatus.

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4. The apparatus according to claim 3, wherein the acquisition section further acquires color space information described in the profiles and the comparator further compares the acquired color space information with color space information designated for the image to be formed, and wherein the selector selects the image forming apparatus based on the result of comparison of the glossiness information and the result of comparison of the color space information.

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5. The apparatus according to claim 3, further comprising a setter arranged to set an image forming mode in the selected image forming apparatus based on the result of comparison.

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6. The apparatus according to claim 3, wherein the selector selects plural image forming apparatuses to be used for formation of the image based on the result of comparison.

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7. An image processing method of generating a profile in which information on color conversion between device-

dependent color space and device-independent color space is described, comprising the steps of:

inputting glossiness information indicating glossiness of an image; and

5 describing the input glossiness information in the profile.

8. A control method of controlling plural image forming apparatuses based on profiles of the apparatuses,

10 comprising the steps of:

acquiring glossiness information indicating glossiness described in the profiles;

comparing the acquired glossiness information with glossiness information designated for an image to be

15 formed;

selecting an image forming apparatus to be used for formation of the image from the plural image forming apparatuses based on the result of comparison; and

20 transmitting the image to be formed to the selected image forming apparatus.

9. A computer program product storing a computer readable medium comprising a computer program code for:

25 inputting glossiness information indicating glossiness of an image; and

describing the input glossiness information in the profile.

10. A computer program product storing a computer readable medium comprising a computer program code for:
acquiring glossiness information indicating
5 glossiness described in the profiles;
comparing the acquired glossiness information with glossiness information designated for an image to be formed;
selecting an image forming apparatus to be used
10 for formation of the image from the plural image forming apparatuses based on the result of comparison; and
transmitting the image to be formed to the selected image forming apparatus.
- 15 11. An image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising:
20 an acquisition section, arranged to acquire glossiness information described in the profile; and
a controller, arranged to control image formation based on the result of comparison between the glossiness information and a set image forming mode.
- 25 12. An image processing apparatus for performing color conversion based on a profile in which information on

color conversion between device-dependent color space and device-independent color space is described, comprising:

- an acquisition section, arranged to acquire
- 5 glossiness information described in the profile;
- a detector, arranged to detect the type of a print medium available for image formation; and
- a controller, arranged to determine a print medium and an image forming mode to be used in the image
- 10 formation based on the glossiness information and the type of the print medium, and control the image formation.

13. The image processing apparatus according to claim 12,
15 wherein the controller sets a gloss mode as the image forming mode if the glossiness information indicates a glossy attribute and the type of the print medium indicates glossy paper.

20 14. The image processing apparatus according to claim 12, wherein the controller selects a print medium having highest glossiness and controls the image formation on a fixing condition to improve glossiness if the glossiness information indicates a glossy attribute and the type of
25 the print medium indicates non-glossy paper.

15. An image processing apparatus for performing color

conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising:

5 an acquisition section, arranged to acquire target glossiness information described in a profile regarding color conversion from the device-dependent color space to the device-independent color space, and acquire destination glossiness information described in a
10 profile regarding color conversion from the device-independent color space to the device-dependent color space; and

 a controller, arranged to determine a print medium and an image forming mode to be used in image formation
15 based on the result of comparison between the target glossiness information and the destination glossiness information, and control the image formation.

16. The apparatus according to claim 15, wherein the
20 glossiness information is described in a private tag.

17. An image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space
25 and device-independent color space is described, comprising:

 an acquisition section, arranged to acquire target

glossiness information described in a profile regarding color conversion from the device-dependent color space to the device-independent color space;

a detector, arranged to detect glossiness of a
5 print medium available for image formation; and

a controller, arranged to determine a print medium to be used for the image formation, an image forming mode and a destination profile based on the result of comparison between the target glossiness information and
10 the glossiness of the print medium, and control the image formation.

18. The apparatus according to claim 17, wherein the glossiness information is described in a private tag.
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19. An image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described,
20 comprising:

a memory, arranged to hold the profile; and
a controller, arranged to determine a description of gloss condition of the profile to be stored in the memory, and controls storage of the profile based on the
25 result of determination.

20. The apparatus according to claim 19, wherein in a

case where storage of a profile for a gloss mode is designated, if the description of gloss condition indicates a glossy attribute, the controller stores the profile into the memory, while if the description of gloss condition indicates a matte attribute, abandons the profile.

21. The apparatus according to claim 19, wherein in a case where storage of a profile for a gloss mode is designated, if the description of gloss condition does not exist, the controller displays a message asking whether or not the profile has been formed using glossy paper.

22. The apparatus according to claim 21, wherein in a case where a response indicating that the profile has been formed using glossy paper is obtained, the controller adds a description of a glossy state as the gloss condition to the profile and stores the profile into the memory.

23. A control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

acquiring glossiness information described in the

profile; and

controlling image formation based on the result of comparison between the glossiness information and a set image forming mode.

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24. A control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent

10 color space is described, comprising the steps of:

acquiring glossiness information described in the profile;

detecting the type of a print medium available for image formation; and

15 determining a print medium and an image forming mode to be used in the image formation based on the glossiness information and the type of the print medium, and controlling the image formation.

20 25. A control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

25 acquiring target glossiness information described in a profile regarding color conversion from the device-dependent color space to the device-independent color

space, and acquiring destination glossiness information described in a profile regarding color conversion from the device-independent color space to the device-dependent color space; and

5 determining a print medium and an image forming mode to be used in image formation based on the result of comparison between the target glossiness information and the destination glossiness information, and controlling the image formation.

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26. A control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

15 acquiring target glossiness information described in a profile regarding color conversion from the device-dependent color space to the device-independent color space;

20 detecting glossiness of a print medium available for image formation; and

 determining a print medium to be used for the image formation, an image forming mode and a destination profile based on the result of comparison between the target glossiness information and the glossiness of the print medium, and controlling the image formation.

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27. A control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

5 determining a description of gloss condition of a profile to be stored into a memory holding the profile; and

10 controlling storage of the profile based on the result of determination.

28. A computer program product storing a computer readable medium comprising a computer program code, for a control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

15 acquiring glossiness information described in the profile; and

20 controlling image formation based on the result of comparison between the glossiness information and a set image forming mode.

25 29. A computer program product storing a computer readable medium comprising a computer program code, for a control method of controlling an image processing

apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

5 acquiring glossiness information described in the profile;

 detecting the type of a print medium available for image formation; and

 determining a print medium and an image forming
10 mode to be used in the image formation based on the glossiness information and the type of the print medium, and controlling the image formation.

30. A computer program product storing a computer
15 readable medium comprising a computer program code, for a control method of controlling an image processing apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent
20 color space is described, comprising the steps of:

 acquiring target glossiness information described in a profile regarding color conversion from the device-dependent color space to the device-independent color space, and acquire destination glossiness information
25 described in a profile regarding color conversion from the device-independent color space to the device-dependent color space; and

determining a print medium and an image forming mode to be used in image formation based on the result of comparison between the target glossiness information and the destination glossiness information, and
5 controlling the image formation.

31. A computer program product storing a computer readable medium comprising a computer program code, for a control method of controlling an image processing
10 apparatus for performing color conversion based on a profile in which information on color conversion between device-dependent color space and device-independent color space is described, comprising the steps of:

acquiring target glossiness information described
15 in a profile regarding color conversion from the device-dependent color space to the device-independent color space;

detecting glossiness of a print medium available for image formation; and
20 determining a print medium to be used for the image formation, an image forming mode and a destination profile based on the result of comparison between the target glossiness information and the glossiness of the print medium, and controlling the image formation.

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32. A computer program product storing a computer readable medium comprising a computer program code, for

a control method of controlling an image processing
apparatus for performing color conversion based on a
profile in which information on color conversion between
device-dependent color space and device-independent
5 color space is described, comprising the steps of:
determining a description of gloss condition of a
profile to be stored into a memory holding the profile;
and
controlling storage of the profile based on the
10 result of determination.